

+

DEC 04 2000

PTO/SB/08A (08-00)

Approved for use through 10/31/2002 OMB 0561-0021

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
 Form 1449A/PTO

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet	1	of	2
-------	---	----	---

C mplete if Known

Application Number	09/664,294
--------------------	------------

Filing Date	September 18, 2000
-------------	--------------------

First Named Inventor	Nathan F. Raciborski et al.
----------------------	-----------------------------

Group Art Unit	Unassigned 2155
----------------	----------------------------

Examiner Name	Unassigned
---------------	------------

Attorney Docket Number	19396-001300US
------------------------	----------------

U.S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

[illegible]

**Examiner
Signature**

92m Barb

Date
Considered

8/29/2003

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:** Assistant Commissioner for

(Modified) PATENTS AND PUBLICATIONS FOR INFORMATION DISCLOSURE (Use several sheets if necessary)		Attorney Docket No.: 19396-001300US	Application No. 09/604 294
		Applicant: Nathan F. Raciborski et al.	
		Filing Date: September 18, 2000	Group
Reference Designation		U.S. PATENT DOCUMENTS	
Examiner Initial	Document No.	Date	Name
AA			
AB			
AC			
AD			
AE			
AF			
AG			
AH			
AI			
AJ			
AK			
AL			
FOREIGN PATENT DOCUMENTS			
	Document No.	Date	Country
KB AM	WO 00/73922	12/07/00	PCT
KB AN	WO 00/74347	12/07/00	PCT
KB AO	WO 00/79730	12/28/00	PCT
AP			
AQ			
AR			
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)			
AS			
AT			
AU			
AV			
AW			
EXAMINER <u>92 T B</u> DATE CONSIDERED <u>8/29/2003</u>			

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

M PTO-1449 (Modified) OF PATENTS AND PUBLICATIONS FOR LICANT'S INFORMATION DISCLOSURE ATEMENT (Use several sheets if necessary)		Attorney Docket No.: 19396-001300US Applicant: Nathan F. Raciborski et al. Filing Date: September 18, 2000		Application No. 09/664,294 Group: 2152	
U.S. PATENT DOCUMENTS					
Examiner Initial	Document No.	Date	Name	Class	Sub-class
KB AA	6,101,180	08/2000	Donahue et al.	370	352
KB AB	US 6,185,598 B1	02/2001	Farber et al.	709	200
AC					
AD					
AE					
AF					
AG					
AH					
AI					
AJ					
AK					
AL					
FOREIGN PATENT DOCUMENTS					
	Document No.	Date	Country	Class	Sub-class
AM					
AN					
AO					
AP					
AQ					
AR					
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)					
AS					
AT					
AU					
AV					
AW					
EXAMINER <i>9/27/2003</i> DATE CONSIDERED <i>8/29/2003</i>					

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 (Modified)

LIST OF PATENTS AND PUBLICATIONS FOR
APPLICANT'S INFORMATION DISCLOSURE
STATEMENT (Use several sheets if necessary)

Attorney Docket No.: 19396-001300US

Application No.: 09/664,294

Applicant: Nathan F. Raciborski et al.

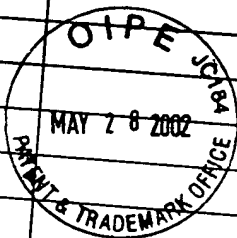
Filing Date: September 18, 2000

Group: 2152 2153

Reference Designation

U.S. PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Name	Class	Sub-class	Page	Filing Date (If Appropriate)
AA							
AB							
AC							
AD							
AE							
AF							
AG							
AH							
AI							
AJ							
AK							
AL							

COPY OF PAPERS
ORIGINALLY FILED

RECEIVED

MAY 31 2002

Technology Center 2100

FOREIGN PATENT DOCUMENTS

Document No.	Date	Country	Class	Sub-class	Translation (Yes/No)
KB	EP0877326A2	11/11/1998	Europe		
AM					
KB AN	WO98/37667	08/27/1998	PCT		
KB AO	WO00/17765	03/30/2000	PCT		
AP					
AQ					

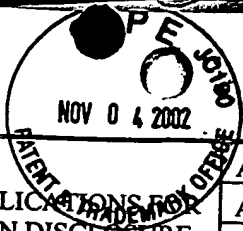
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

KB AR	Clare Bradford et al., <i>A Bandwidth Friendly Search Engine</i> , <i>Proceedings Of The International Conference on Multimedia Computing And Systems</i> , Los Alamitos, CA, June 7, 1999, Vol. 2, pgs. 720-724.
KB AS	Alex Rousskov et al., <i>Cache Digests</i> , <i>Computer Networks and ISDN Systems</i> , North Holland Publishing, Amsterdam, NL, Nov. 25, 1998, Vol. 30, No. 22-23, pgs. 2155-2168.
KB AT	Sun Wu et al., <i>Virtual Proxy Servers For WWW And Intelligent Agents On The Internet</i> , <i>System Sciences</i> , 1997, <i>Proceedings Of The Thirtieth Hawaii International Conference On Wailea, HI</i> , Los Alamitos, CA, Jan. 7, 1997, pgs. 200-209.
AU	
AV	

MINER 92m T Bates

DATE CONSIDERED 8/29/2003

MINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not
 lered. Include copy of this form with next communication to applicant.



FORM PTO-1449 (Modified)

LIST OF PATENTS AND PUBLICATIONS FOR
APPLICANT'S INFORMATION DISCLOSURE
STATEMENT (Use several sheets if necessary)

Attorney Docket No.: 19396-001300

Application No.: 09/664,294

Applicant: Nathan F. Raciborski et al.

Filing Date: September 18, 2000

Group: 2152 2155

Reference Designation

U.S. PATENT DOCUMENTS

Page 1

Examiner Initial	Document No.	Date	Name	Class	Sub-class	Filing Date (If Appropriate)
<u>KB</u> AA	6,038,599	03-14-2000	Norman R. H. Black et al.	—	—	
AB						
AC						
AD						
AE						
AF						
AG						
AH						
AI						
AJ						
AK						
AL						

RECEIVED

NOV 05 2002

TECHNICAL CENTER 2150

FOREIGN PATENT DOCUMENTS

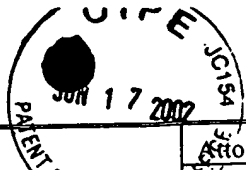
	Document No.	Date	Country	Class	Sub-class	Translation (Yes/No)
AM						
AN						
AO						

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AP	
AQ	
AR	
AS	
AT	
AU	
AV	

EXAMINER Qm BtoDATE CONSIDERED 8/29/2003

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



O-1449 (Modified)

Attorney Docket No.: 19396-001300

Application No.: 09/664,294

OFFICE OF PATENTS AND PUBLICATIONS
APPLICANT'S INFORMATION DISCLOSURE
STATEMENT (Use several sheets if necessary)

Applicant: Nathan F. Raciborski et al.

Filing Date: September 18, 2000

Group: ~~2152~~ 2155

Reference Designation

U.S. PATENT DOCUMENTS

Page 1

Examiner Initial	Document No.	Date	Name	Class	Sub-class	Filing Date (If Appropriate)
KB AA	5,991,306	11-23-1999	Gregory Burns et al.	H04L	12/02	
KB AB	6,029,175	02-22-2000	Yen-whei Chow et al.	G06F	17/30	
AC						

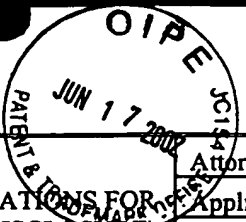
FOREIGN PATENT DOCUMENTS

	Document No.	Date	Country	Class	Sub-class	Translation (Yes/No)
KB AD	EP0837584A1	04-22-1998	European	G06F	17/30	
KB AE	EP0847020A2	06-10-1998	European	G06F	17/30	
KB AF	WO98/18076	04-30-1998	PCT	G06F	9/46	
KB AG	WO98/26559	06-18-1998	PCT	H04L	29/12	
KB AH	WO98/17039	04-23-1998	PCT	G06F	17/30	
KB AI	WO98/53410	11-26-1998	PCT	G06F	17/30	
KB AJ	WO98/58315	12-23-1998	PCT	G06F	17/30	
KB AK	WO99/03047	01-21-1999	PCT	G06F	17/00	
KB AL	WO99/05584	02-04-1999	PCT	G06F		
KB AM	WO00/13456	03-09-2000	PCT	H04Q	11/00	
KB AN	WO00/28424	05-18-2000	PCT	G06F	13/00	
AO						
AP						
AQ						

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

KB AR	Luis Aversa et al., <u>Load Balancing A Cluster Of Web Servers Using Distributed Packet Rewriting</u> , Computer Science Department Technical Report, New York, NY, January 6, 1999 pages 1-13.
KB AS	Dykes, Sandra G. et al., <u>Taxonomy and Design Analysis for Distributed Web Caching</u> , Proceedings of the 32 nd Annual Hawaii International Conference on Systems Sciences, Maui, HI, Jan. 5-8, 1999, pgs. 1-10.
KB AT	Fan, Li, et al., <u>Summary Cache: A Scalable Wide-Area Web Cache Sharing Protocol</u> , Computer Communications Review, Association For Computing Machinery, New York, October, 1998, Vol. 28, no. 4, pgs. 254-265.
KB AU	Gadde, Syam et al., <u>A Taste of Crispy Squid</u> , Proceedings of the Workshop on Internet Service Performance, June, 1998, pgs. 1-8.
KB AV	Gadde, Syam et al., <u>Reduce, Reuse, Recycle, an Approach to Building Large Internet Caches</u> , The Sixth Workshop on Hot Topics in Cape Cod, MA, May 5-6, 1997, pgs. 93-98.
KB AW	Syam Gadde et al., <u>Web Caching and Content Distribution: A view From The Interior</u> , Online Proceedings of the 5 th International Web Caching and Content Delivery Workshop, retrieved from Internet on April 10, 2002, Abstract, Sections 1 and 2.
KB AX	Gulwani, Sumit et al. <u>WebCaL - A Domain Specific Language For Web Caching</u> , Online Proceedings Of The 5 th International Web Caching And Content Delivery Workshop, at < http://www.terena.nl/conf/wcw/Proceedings/S2/S2-4.ps >, May, 2002.
KB AY	Gwertzman, James et al., <u>An Analysis Of Geographical Push-Caching</u> , Harvard University, VINO Research Group, World Wide Web Research at < http://www.eecs.harvard.edu/vino/web/server.cache/icdcs.ps > March 28, 2002.

RECEIVED
JUN 24 2002
Technology Center 2100



0155

PTO-1449 (Modified)		Attorney Docket No.: 19396-001300	Application No.: 09/664,294
OFFICE OF PATENTS AND TRADEMARKS		Applicant: Nathan F. Raciborski et al.	
APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		Filing Date: September 18, 2000	Group: 2452 2155
<u>KB</u> AZ	Inohara, Shigekazu et al., <i>Self-Organizing Cooperative WWW Caching</i> , <u>Proceedings. 18th International Conference on Amsterdam, Netherlands, May 26-29, 1998</u> , pgs. 74-83.		
<u>KB</u> AAA	Kachanasut, Kachana, <i>The A13 CacheBone Project</i> , <u>INTERNET PROJECT WORKSHOP, IWS 99 Osaka, Japan, Feb. 18-20, 1999</u> , pgs. 203-208.		
<u>KB</u> ABB	Kangasharju, Jussi et al., <i>Locating Copies of Objects Using the Domain Name System</i> , <u>Proceedings of the 4th International Caching Workshop, 1999</u> , pgs. 1-12.		
<u>KB</u> ACC	Tewari, Renu et al., <i>Beyond Hierarchies: Design Considerations for Distributed Caching On The Internet</i> , <u>UTCS Technical Report, February, 1998</u> , pgs. 1-22.		
<u>KB</u> ADD	Touch, Joseph D., <i>Defining High-Speed Protocols: Five Challenges And An Example That Survives The Challenges</i> , <u>IEEE Journal On Selected Areas In Communications, IEEE Inc., New York, June 1, 1995, Vol. 13, No. 5</u> , pgs. 828-835.		
<u>KB</u> AEE	Zhang, Xiaolan et al., <i>HACC: An Architecture For Cluster-Based Web Servers</i> , <u>Proceedings Of The 3rd Usenix Windows NT Symposium, Seattle, WA, July 12-15, 1999</u> , pgs. 155-164.		
<u> </u> AFF			
<u> </u> AGG			
<u> </u> AHH			
EXAMINER <u>92m J Bytos</u> DATE CONSIDERED <u>8/29/2003</u>			

RECEIVED
JUN 24 2002
Technology Center 2100

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.